

<b>Course Code:</b>	INAR314
<b>Course Name:</b>	ERGONOMICS
<b>Credit / ECTS:</b>	2 Credit/ 4 ECTS
<b>Catalogue Description:</b>	This course explains ergonomic relations in interior architecture. In this respect, the ratio-proportion aspects are discussed in detail and they are compared case by case from daily needs of ordinary users to the special ones. Ergonomics course will not only elaborate to human- building but also human- machine relationship. The students will focus on actual ergonomic problems and solutions on different examples.
<b>Course Objectives:</b>	The aim of this course is to equip students with the necessary information about how to create balance between design, and human anthropometry. The human-machine interaction, posture&movements, environmental factors; such as colour, light, noise etc. are analysed and the correlation to interior design is established. To course tries to give the essentials of how to create a more healthy environment in our daily life.
<b>Learning Outcome (s):</b>	<ol style="list-style-type: none"> <li>1- To understand anthropometric principles at homes and workplaces,</li> <li>2- To comprehend the necessity for designing different kinds of tasks, such as repetitive tasks, manuel handling tasks</li> <li>3- To understand the relationship between work capacity, stress and fatigue, and trying to find ways for avoidance,</li> <li>4- To understand psychological aspects of design related to ergonomics.</li> </ol>
<b>Weekly Topics</b>	<ol style="list-style-type: none"> <li>1- Introduction to Ergonomics in Interior Design</li> <li>2- Human-Centered Design Principles for Interiors</li> <li>3- Ergonomic Considerations in Workspace Layout</li> <li>4- Sustainable Materials and Ergonomics</li> <li>5- Posture and Comfort in Interior Spaces</li> <li>6- Lighting Design and Its Impact on Ergonomics</li> <li>7- Acoustic Comfort and Ergonomics in Interiors</li> <li>8- Designing for Physical and Cognitive Accessibility</li> <li>9- Ergonomics in Furniture and Product Design</li> <li>10- Energy-Efficient Design and Human Comfort</li> <li>11- Sustainable Ergonomic Practices in Interior Architecture</li> <li>12- Future Trends in Ergonomics and Sustainable Design</li> </ol>